

Title (en)

HALOGEN-FREE, FLAME RETARDANT COMPOSITION COMPRISING CROSSLINKED SILANE-g-EVA

Title (de)

HALOGENFREIE FLAMMHEMMENDE ZUSAMMENSETZUNG MIT VERNETZTEM SILAN-G-EVA

Title (fr)

COMPOSITION RETARDATRICE DE FLAMME, EXEMPTÉ D'HALOGÈNE, COMPRENANT SILANE-G-EVA RÉTICULÉ

Publication

**EP 2576694 B1 20150121 (EN)**

Application

**EP 10851940 A 20100524**

Priority

CN 2010073106 W 20100524

Abstract (en)

[origin: WO2011147068A1] Halogen-free, flame retardant compositions comprising in weight percent based on the weight of the composition: A. 20 to 60% TPU/Si-g-EVA polymer blend in which the Si-g-EVA is crosslinked, B. 1 to 25% organic phosphate ester, C. 30 to 60% metal hydrate, and D. 0.1 to 10% epoxidized novolac. Optionally, the compositions further comprise in weight percent based on the weight of the composition, one or more of: E. 0.01 to 0.5% anti-dripping agent, F. 0.1 to 2% additive; and G. 0.1 to 5% filler.

IPC 8 full level

**C08L 75/04** (2006.01); **C08L 31/04** (2006.01); **C09K 21/14** (2006.01); **H01B 7/295** (2006.01)

CPC (source: EP KR US)

**C08F 18/08** (2013.01 - KR); **C08K 5/09** (2013.01 - KR); **C08K 5/521** (2013.01 - KR); **C08K 5/54** (2013.01 - KR); **C08L 31/04** (2013.01 - KR); **C08L 75/04** (2013.01 - KR); **C08L 75/06** (2013.01 - EP US); **C09J 171/08** (2013.01 - KR); **C09K 21/12** (2013.01 - EP US); **H01B 7/295** (2013.01 - EP KR US)

C-Set (source: EP US)

**C08L 75/06 + C08L 31/04**

Cited by

WO2019115723A1; US11512192B2

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DOCDB simple family (publication)

**WO 2011147068 A1 20111201**; BR 112012029894 A2 20170711; BR 112012029894 B1 20190625; CA 2798662 A1 20111201; CA 2798662 C 20170523; CN 103261324 A 20130821; CN 103261324 B 20141210; EP 2576694 A1 20130410; EP 2576694 A4 20140312; EP 2576694 B1 20150121; JP 2013533898 A 20130829; JP 5559427 B2 20140723; KR 101825242 B1 20180202; KR 20130108094 A 20131002; MX 2012013563 A 20130124; TW 201144417 A 20111216; US 2013059943 A1 20130307; US 9318240 B2 20160419

DOCDB simple family (application)

**CN 2010073106 W 20100524**; BR 112012029894 A 20100524; CA 2798662 A 20100524; CN 201080068222 A 20100524; EP 10851940 A 20100524; JP 2013511494 A 20100524; KR 20127033184 A 20100524; MX 2012013563 A 20100524; TW 100117186 A 20110517; US 201013695862 A 20100524